

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application. Added text is indicated by underlining, and deleted text is indicated by ~~striking through~~. Changes are identified by a vertical bar in the margin.

1. (Currently amended) A method of transmitting a communication signal between a radio base station and multiple radiation elements, the method comprising:

receiving data signals from multiple radiation elements and producing an input signal adapted to be transmitted over a common feeder cable, wherein the data signals include values representing operating parameters of devices at the multiple radiation elements;

receiving ~~an~~ the input signal from the multiple radiation elements over ~~a~~ the common feeder cable;

extracting ~~a~~ the ~~data signal signals~~ from the input signal ~~that includes values representing operating parameters of devices at the multiple radiation elements;~~ and

producing a status signal for each device based upon the values representing operating parameters that simulates a feedback signal for the device.

2. (Original) A method as defined in Claim 1, wherein the input signal comprises a plurality of communication signals.

3. (Original) A method as defined in Claim 1, wherein the devices include system cables.

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4. (Original) A method as defined in Claim 1, wherein the devices include a mast head amplifier.

Claims 5-7 (Cancelled)

8. (Currently Amended) A method of transmitting a communication signal between a radio base station and a multiple radiation element~~elements~~, the method comprising:

receiving data signals that include control signals representing operating parameter settings for devices at multiple radiation elements and producing an input signal to be transmitted over a common feeder cable;

receiving an ~~the~~ input signal over the common feeder cable;

extracting a ~~the~~ data signal ~~signals~~ from the input signal that includes values representing operating parameter settings for devices at the radiation element; and

producing an output signal for each device that transfers the control signals ~~representing operating parameter setting settings~~ to the device.

9. (Original) A method as defined in Claim 8, wherein the input signal comprises a plurality of communication signals.

10. (Original) A method as defined in Claim 8, wherein the devices include a mast head amplifier.

Claims 11-14 (Cancelled)

15. (Currently Amended) An apparatus for transmitting a communication signal between a radio base station and multiple radiation elements, the apparatus comprising:

a bias tee configured to receive an input signal from the multiple radiation elements over a common feeder cable, wherein the input signal comprises data signals that are received from multiple radiation elements and are combined for transmission over the common feeder cable, the data signals including values representing operating parameters of devices at the multiple radiation elements;

a controller configured to extract ~~a the data signal~~ signals from the input signal ~~that includes values representing operating parameters of devices at the multiple radiation elements~~ and to produce a status signal based upon the values representing operating parameters for each device ~~the devices~~; and

a load simulator that simulates a feedback signal for the ~~device~~ devices in accordance with the status signal.

16. (Cancelled)

17. (Currently Amended) An apparatus for transmitting a communication signal between a radio base station and ~~a multiple radiation element~~ elements, the apparatus comprising:

a bias tee configured to receive an input signal over a common cable, wherein the input signal comprises data signals that include control signals

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representing operating parameter settings for devices at multiple radiation elements;

and

a controller configured to extract a the data signals signal from the input signal that includes values representing operating parameter settings for devices at ~~the radiation element~~ and to produce an output signal for each device that transfers the control signals representing operating parameter setting settings to the device.

18. (Cancelled)